

THAT WHICH IS CLAIMED:

1. An energy providing system for an electric vehicle, said system comprising:
- a generator for providing electrical energy;
  - a rotor coupled to said generator;
  - a starter motor for initiating rotation of said rotor.

2. The system of Claim 1 wherein said rotor is rotatably mounted on said generator.

3. The system of Claim 1 wherein said rotor comprises a first portion and a second portion mounted thereto, said first and second portions defining multiple cavities in said rotor.

4. The system of Claim 3 wherein said cavities are radially disposed about the center of said rotor.

5. The electric vehicle of Claim 4 wherein said rotor comprises six cavities.

6. The system of Claim 4 further comprising mobile weights housed within said cavities.

7. The system of Claim 6 wherein said weights are adapted for movement from one end of said cavity to the opposite end of said cavity.

8. The system of Claim 7 wherein said weights include rollers to allow for movement within said cavity.

9. The system of Claim 1 comprising a vehicle having a body with an exterior and an interior wherein said

generator, rotor and starter motor are attached to said interior of said body.

10. The system of Claim 9 further comprising a supporting framework, said framework providing attachment of said rotor, said generator and said starter motor to said body interior.

11. The system of Claim 10 comprising means for maintaining said rotor in a substantially horizontal position relative to changes in the angle of the vehicle body.

12. The system of Claim 11 wherein said maintaining means comprises a double bearing assembly attached to said framework.

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